6. (original) The system according to claim 1 wherein the sensing device includes an image sensor.

7. (canceled)

8. (canceled)

9. (currently amended) The system according to claim ~~8 wherein the storage unit is a~~ 1 wherein the sensing device comprises a capacitor or a rechargeable battery.

10. (currently amended) The system according to claim 1 wherein the sensing device comprises at least one antenna.

11. (canceled)

12. (canceled)

13. (original) The system according to claim 1 wherein the phased array antenna is configured to transmit a signal having an active portion and a silent interval.

14. (currently amended) The system according to claim 13 wherein the silent interval lasts for a period in the order of magnitude of 1 msec.

15. (currently amended) The system according to claim 13 wherein the active portion includes RF bursts.

16. (currently amended) The system according to claim 13 wherein the active portion includes bursts of about 1 milijoule.

17. (currently amended) The system according to claim 13 wherein the active portion includes bursts at a frequency of about 1 GigaHertz.

18. (original) The system according to claim 1 wherein the phased array antenna is configured to transmit a modulated signal.

19. (canceled)

20. (original) The system according to claim 1 wherein the phased array antenna is configured to receive a signal from the sensing device and to be phased with the reverse order to that of receipt of the signal from the sensing device.

21. (canceled)

22. (currently amended) A system for transfer of a signal to an in vivo device, said system comprising:

an in vivo transmitting RF ID tag, the tag comprising at least one signal receiving ~~unit,~~ unit; and

an external phased array antenna.

23. (original) A method for transfer of a signal to an in vivo sensing device, the method comprising the steps of:

receiving a signal transmitted from said in vivo sensing device;

recording an order of receipt said signal; and

transmitting a signal to said in vivo sensing device using the reverse order of receipt of the transmitted signal from the said in vivo sensing device.

24. (original) The method according to claim 23 wherein the order of receipt is a time array.

25. (original) The method according to claim 23 comprising the steps of energizing at least one component of said in vivo sensing device.

26. (original) The method according to claim 23 comprising the steps of:

transmitting a signal from the in vivo sensing device;

switching from transmit to receive mode;

receiving a signal which includes at least one active portion and at least one silent interval; and

switching from receive mode to transfer mode at an end of the active portion of the signal.

27. (original) A method for measuring gastrointestinal motility comprising the steps of:

ingesting an RF ID tag;

receiving a transmitted signal from the RF ID tag;

recording a time array of receipt;

recording a strength array of receipt; and

performing triangulation thereby obtaining position of the RF ID tag.

28. (canceled)

29. (canceled)

30. (canceled)

31. (Original) An in vivo device comprising:

an imager;

an energy receiving unit; and

an omni-directional antenna.

32. (Original) The in vivo device of claim 31 comprising an energy storage unit to store energy received from the energy receiving unit.